

PDR RID Report

Date Last Modified 4/21/95

Originator Curt Schroeder

Organization

E Mail Address

Document

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RID ID PDR 4

Review FOS

Originator Ref

Priority 2

Section

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Figure Table

Category Name Interfaces

Actionee HAIS

Sub Category

Subject External Schedule Dependencies

Description of Problem or Suggestion:

Missing a schedule showing external dependencies (i.e., EDOS, S/C test, etc) and internal to ECS dependencies (i.e., CSMS). This information should be captured in the ILN, but the ILN is not easily reviewed by the external community.

Originator's Recommendation

Prepare dependency schedule (or other method) for tracking by ECS, ESDIS, and external parties.

GSFC Response by:

GSFC Response Date

HAIS Response by: D. Herring

HAIS Schedule 1/13/95

HAIS R. E. A. Miller

HAIS Response Date 4/6/95

The current list of FOS external and internal dependencies is included in the table below. This list is maintained by FOS throughout the software development life cycle. The key external and internal dependencies pertaining to FOS have been included in the ILN, which will be refined periodically. In addition, FOS will discuss dependency issues with the FOS ETM at the weekly FOS/FOS ETM meeting.

FOS Dependency Table

Dependency Category	Dependency Title	Schedule	Duration	Notes
S/C Tests	S/C Bus Comprehensive Performance Test	11/13/96	15 working days	Test of EOC's ability to process s/c bus h/k tlm; test EOC's ability to process SCC data dumps
	S/C Comprehensive Performance Test	3/19/97	15 days	
	EOC Compatibility Test	L-13 to L-3 months (prior to end test/desired prior to RF test, 3/29/97)		EOC command db verification; test s/c command capability of OEC (all types of commands); test EOC capability to process s/c tim
	RF Compatibility Test	3/29/97	2 weeks	Opportunity for EOC to receive S-band data and command the s/c (if EOC compatibility test has been run)

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Operational Readiness Tests	6/97 (complete prior to S/C simulations)	9 months (tbr)	Not intended for verification of the ground system; functional capabilities include db verification, normal operations, s/c maneuvers, recovery procedures
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S/C Thermal Vacuum Test	7/17/97	6 weeks	Opportunity for EOC to receive h/k tlm and dump data from s/c and instruments; no commanding of s/c by EOC
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S/C Comprehensive Performance Test (Post Acoustics)	1/27/98	4 weeks	Opportunity for EOC to receive s/c and instrument h/k tlm; no commanding of s/c by EOC
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Mission Operations Simulation	2/24/98	2 weeks	Validate a subset of the activation, nominal, and contingency mission operating procedures
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S/C End to End Test	Part of Mission Ops Simulation	Part of Mission Ops Simulation	Verify ability of EOC to send all command types, at all command rates to the s/c; verify ability of EOC to receive all telemetry types from the s/c; verify ability of GN to process and distribute data to EOC
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S/C Comprehensive Performance Test (Post Ship)	L-49 Days	2 weeks	tbs
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Launch Day Dress Rehearsal	L-7 Days	1 day	EOC sends NOP command
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Dependency Category	Dependency	Due Date	Lead
External	AM-1 Spacecraft Analysis Tools Definition	Apr-95	Martin- Marietta
	Preliminary Project Data Base	Jun-95	Martin- Marietta
	Updated Project Data Base	As Available	Martin- Marietta

Dependency Category	Interface	Due Date	Lead	Support
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ICDs	SCDO/FOS	Sep-95	SCDO	FOS
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ICDs

SCDO/FOS
ICD

Sep-95

SCDO

FOS

NCC Upgrade
(draft) ICD Jun-95 NCC FOS

FDF/EOC ICD
Format - Draft Jun-95 FDF FOS

EDOS/EOC
ICD Draft Jun-95 EDOS FOS

EDOS/EOC
ICD Final Aug-95 EDOS FOS

Ecom/EOC
ICD Final Jun-95 Ecom FOS

JPL Appendix
for DSN Monitor
Blocks Aug-95 Code 502 FOS

Spacecraft Jun-95 Martin- FOS

Status **Closed**

Date Closed **4/21/95**

Sponsor **Johns**

Attachment if any
